

## IMPROVED POWER CONTROL IN SPREAD SPECTRUM COMMUNICATIONS SYSTEMS

### ABSTRACT OF THE DISCLOSURE

2022F20 54052007  
5 A method for power control in spread spectrum communication systems includes  
a first step of providing multiplexed registers coupled to a control circuit and controlled  
by a control signal. A next step includes measuring a transmit power. Next steps include  
receiving TPC information, and determining whether the TPC information calls for an  
increase or decrease in power. A next step includes comparing the TPC information to  
the last TPC information, wherein if the TPC information is the same as the last TPC  
information, calculating a new power control value using the TPC information and  
10 measured transmit power, and writing the new power control value to the next selected  
register. A next step includes applying the control signal corresponding to the next  
selected register to the multiplexer to couple the value of next selected register to the  
control circuit.